

I claim:

1. A method of installing roofing tiles comprising:

a) spraying a foam rising adhesive on a surface;

b) waiting for said foam rising adhesive to obtain a creamy consistency;

c) applying a first tile panel and an adjacent first subsequent tile panel to said surface;

d) waiting for said adhesive to cure and rise within a joint formed between said first tile panel and said first subsequent tile panel;

e) applying further tile panel and subsequent further tile panel to said surface;

f) waiting for said adhesive to cure and rise within further joints formed between said first subsequent tile and said further tile panel;

g) repeating steps "c", "d" and "e" and "f" on next subsequent pairs of tile panels until said foam adhesive completes rising between said joints and accumulates as debris above a plane formed by said tile panels accumulated in a seamless configuration;

h) removing debris formed by said foam rising adhesive from the top surface of said tile panels; and,

I) applying an elastomeric coat to the top surface of said joined, seamless accumulation of tile panels.

2. A method of installing roofing tiles according to Claim 1, wherein said elastomer is an acrylic.

3. A method of installing roofing tiles according to Claim 1,
5 wherein said elastomer is a urethane.

4. A method of installing roofing tiles according to claim 1, wherein said elastomer is silicone based.

10 5. A method of installing roofing tile panels according to claim 2, wherein application of said first and said subsequent tile panels further comprises:

applying said first tile panel having a first length; and
applying said second tile panel having a second length,

15 wherein said second length of said second tile panel is different than said first length of said first tile panel.

6. A hardened foam panel comprising:

a first sheet of polyurethane foam wherein said first sheet
20 has a density of about 2.5 to 3.16 cubic pounds per foot and said first sheet has a top surface, a bottom surface, and a first periphery; and

said top surface having an integral layer of non-woven polyester fabric.

7. A foam panel according to claim 6, wherein said first periphery is receptive to a second sheet of polyurethane foam having a second periphery, said second sheet having a density substantially equal to said density of said first sheet, and said first and said second periphery allow an adhesive to rise there-between.

8. A foam panel according to claim 7, wherein said first and said second periphery are tongue and groove, respectively.

9. A foam panel according to claim 8, wherein said groove is about 22 mm wide and said tongue is about 19mm wide.

10. A foam panel according to claim 7, wherein said first and said second periphery is ship and lap, respectively.

11. A foam panel according to claim 7, wherein said first periphery and said second periphery has a first and a second groove, respectively; and

a tongue slideably mounted within said first and said second grooves.

12. A crush resistant and puncture resistant seamless waterproof roofing system comprising a plurality of adjacent cured foam panels attached to a roofing by a foaming adhesive bonding said panels to a substrate of said roof,

said adhesive rising between said panels, sealing said panels to each other by expansion through loose inter-panel joints between said panels,

said panels having an on-site coat of elastomeric sealing material thereon, said coat of elastomeric sealing material covering a fabric layer above each of said panels.

13. The roofing system as in Claim 12 wherein said panels are polyurethane.

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14. The roofing system as in Claim 12 wherein said sealing material is a silicone.

15. The roofing system as in Claim 13 wherein said polyurethane is a dense polyurethane foam having a strength of at least three pounds per cubic foot.

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16. The roofing system as in Claim 12 wherein said fabric is an integral top layer of non-woven 250 gram polyester fabric saturated by said foam.

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17. The roofing system as in Claim 16 wherein adjacent panels have tongue-in-groove edges fitting into adjacent tongue and groove edged of adjacent panels.

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18. The roofing system as in Claim 17 wherein said adhesive is

low rise foam polyurethane adhesive, said adhesive seeping through loose tongue-in groove joints.

19. The roofing system as in Claim 12 wherein said foaming
5 adhesive used to both bond the said panels to a substrate and to rise between said panels, seals said panels to each other through loose inter-panel joints accommodating said risen adhesive therebetween, forming a seamless accumulation of said panels.

10 20. The roofing system as in Claim 12 wherein said roof has panel seams which are staggered by using alternate whole panels as well as half panels upon said roof.

21. The roofing system as in Claim 12 further comprising an
15 elastomeric coating applied over said panels.

22. The roofing system as in Claim 21 wherein an of said plurality of panels includes an edging bridging a wall under said roof, a support beam supporting said panels, and said panels.